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## IN THE SPECIFICATION

Please amend the paragraph beginning at line 21 of page 3 as follows:

FIG. 1 is a an overview block diagram of an MPEG on-screen display coder in accordance with the present invention;

Please amend the paragraph beginning at line 20 of page 14 as follows:

properly turn on the on-screen display so as to keep the

digital television's decoder well behaved by allowing

The following sequence of events is required to

underflow but never overflow: (1) an on-screen display turn on request is signaled to the encoder 16 and to the on-screen display turn on/off sync block 20 by the user or automatically; (2) the on-screen display turn on/off sync block 20 signals the multiplexer 22 to select the input B (null packets); (3) the on-screen display turn on/off sync block 20 monitors the on-screen display packet buffer 28 and switches to the input C when packets are available. These packets will be available after the video hold time has expired and the MPEG decoder 24 with within the encoder 16 has signaled the MPEG encode engine 26 to start. This procedure allows the digital television's decoder buffer to briefly underflow,

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typically precipitating a freeze frame just before the on-screen display appears. This procedure also prevents overflow of the digital television's decoder buffer.

Please amend the paragraph beginning at line 16 of page 22 as follows:

In the Level 2a implementation, the I frames have no overlaid graphics, which may in some case cause a visible flicker. This problem is solved in Level 2b. In Level 2b, The the incoming original I frames are partially decoded and overlaid with the graphics selected by the user or automatically. The I frame is then reencoded with the same quantization, VIC table, and DCT coefficient selection as the original I frame. In this way, the number of bits in the overlaid I frame matches the number of bits in the original I frame. The incoming P and B frames are deleted and replaced by locally generated P frames that are perfectly predicted from the locally generated previous frame with the residuals and the motion vectors set equal to zero.

Please amend the paragraph beginning at line 20 of page 32 as follows:

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This method continuously displays the original video in a subsampled manner as a small window on top of

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full screen displays. The original MPEG video is decoded, subsampled, and squeezed down to a small size. These operations can be done with a standard MPEG decoder followed by filtering and downsampling or alternatively can be achieved with a modified lower cost MPEG decoder that directly produces a downsampling downsampled image (referred to as MPEG downconversion or all format decoding according to several published methods). Then, in the spatial domain, this downsampled image is placed on top or transparently mixed with the desired on-screen display. This combination is then MPEG encoded. encoding is constrained by the number of bits in the original video frames. This encoding should be achievable because the locally encoded frames consist of a small, less detailed version of the original video on top of a static background.

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